



# Dam Safety Inspection Form

State of Oregon  
Water Resources Department  
725 Summer Street NE, Suite A  
Salem, Oregon 97301-1271  
(503) 986-0900

Name of Dam: WOODRAT KNOB File #: W-43  
Height: 90 ft. Storage: 1,789 ac. ft. Permit: \_\_\_\_\_ NID #: OR- 00357  
Hazard: ☐ Low ☐ Significant ☒ High Inspector(s): MILLS/JANICKO District: 13  
Others on site: \_\_\_\_\_  
Date: 6/27/2017 Temperature: \_\_\_\_\_°F ☐ Dry ☐ Rain ☐ Snow ☐ Now ☐ Recently  
Prior Inspection Date: 6/07/2016 Issues from prior inspection: CONDUIT, SEEPAGE,  
TOE DRAINS

Rating Criteria: 5-Exemplary; 4-Adequate 3-Maintenance or minor repair needed  
2-Serious repair needed; 1- Urgent dam safety issue – action now - Contact owner and dam safety directly

General	Rating
Structures below dam <input type="checkbox"/> New <input type="checkbox"/> Existing <input type="checkbox"/> Request Dam Safety review of hazard rating	
Distance to dam Dwelling _____ feet Paved public road _____ feet Other building _____ feet	
Vehicle access <input type="checkbox"/> All weather road <input checked="" type="checkbox"/> Dirt road <input type="checkbox"/> Cross country	3
Detail:	

Reservoir	Pool level: <u>11'</u>	Point of Reference: <input checked="" type="checkbox"/> Crest <input type="checkbox"/> Gage _____	Rating
Minimum freeboard	Vertical distance from debris line to lowest place on crest <u>5</u> ft.		4
Debris	<input type="checkbox"/> Floating Debris/Trash <input type="checkbox"/> Log Boom <input type="checkbox"/> Unusual Conditions		
Detail:			

Spillway	<input checked="" type="checkbox"/> Earth <input checked="" type="checkbox"/> Rock <input type="checkbox"/> Concrete <input type="checkbox"/> Other	Rating
Modifications	<input checked="" type="checkbox"/> None <input type="checkbox"/> Reduction in capacity <input type="checkbox"/> Feature not on design	—
Approach Channel	<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Trees/brush <input type="checkbox"/> Debris <input type="checkbox"/> Erosion	5
Control Section	<input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Rock <input type="checkbox"/> Soil <input type="checkbox"/> Culvert <input type="checkbox"/> Unstable Width _____ Depth _____	5
Flashboards/Gate	<input checked="" type="checkbox"/> None <input type="checkbox"/> In place <input type="checkbox"/> Operational <input type="checkbox"/> Deteriorated	—
Discharge Channel	<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Trees/brush <input type="checkbox"/> Leakage <input type="checkbox"/> Headcutting ( _____ feet from spillway control section, depth _____ feet.)	5
Stilling basin	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Functional <input type="checkbox"/> Minor Erosion <input type="checkbox"/> Severe Erosion/Undercutting	—
Aux. Spillway	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (use comments below)	—
Detail:		

Seepage/Leakage	Rating
Serious conditions <input type="checkbox"/> Leakage <input type="checkbox"/> Piping <input type="checkbox"/> Discolored water <input type="checkbox"/> Boils	—
Locations* <input type="checkbox"/> No evidence <input type="checkbox"/> Center <input type="checkbox"/> Left <input type="checkbox"/> Right <input type="checkbox"/> Around pipe <input type="checkbox"/> On dam _____	—
Flow <input checked="" type="checkbox"/> Wet vegetation <input checked="" type="checkbox"/> Spongy <input checked="" type="checkbox"/> Standing water <input type="checkbox"/> Flow _____ gpm	3
Toe drains <input type="checkbox"/> None <input type="checkbox"/> Working <input checked="" type="checkbox"/> Damaged <input checked="" type="checkbox"/> Buried	2
Detail:	<p>- AT TOE OF BERM + OFF OF DAM FIRST TOE - DAMAGED / BURIED TOE DRAINS</p>

<b>Conduit</b>	Control: <input checked="" type="checkbox"/> Manual <input type="checkbox"/> Power <input type="checkbox"/> Other <input type="checkbox"/> Conduit Control missing		<b>Rating</b>
Inlet	<input checked="" type="checkbox"/> Submerged <input type="checkbox"/> Debris on Trash Rack <input type="checkbox"/> Deterioration		—
Trickle tube	<input checked="" type="checkbox"/> None <input type="checkbox"/> Screened <input type="checkbox"/> Blockage <input type="checkbox"/> Deterioration		—
Control/Stem	<input checked="" type="checkbox"/> Operable <input type="checkbox"/> Damaged <input type="checkbox"/> Missing		3
Valve(s) cycling	<input type="checkbox"/> Frozen <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> Past year <input type="checkbox"/> Frequent		4
Pipe	Diameter/Size: _____ Material <u>CMP</u>	Condition <u>POOR</u>	2
Primary outlet	<input type="checkbox"/> Overgrown <input checked="" type="checkbox"/> Clean <input type="checkbox"/> Pressurized <input type="checkbox"/> Leaking _____ gpm		4-
Other outlet(s)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Type(s) _____ Diameter(s) _____ in.		
Detail:	NO LOW LEVEL, SEVERAL INTERMEDIATE LEVEL CONDUITS FOR PARTICULATE		

<b>Structure of dam</b>	<input checked="" type="checkbox"/> Earth <input type="checkbox"/> Rock <input type="checkbox"/> Concrete <input type="checkbox"/> Other		<b>Rating</b>
<b>Distress</b>	<input type="checkbox"/> Cracks - offset _____ in <input type="checkbox"/> Landslide(s) <input type="checkbox"/> Sinkhole(s) <input type="checkbox"/> Crest Settlement <input type="checkbox"/> Narrow crest <input type="checkbox"/> Wave erosion <input type="checkbox"/> Trampling <input type="checkbox"/> Surface erosion <u>None</u> <input checked="" type="checkbox"/>		4
Locations*			—
<b>Other</b>	Describe _____		—
Aux. dike (s)	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> over 5		—
<b>Animals</b>	<input type="checkbox"/> Nutria <input type="checkbox"/> Badger Other _____ <input type="checkbox"/> Unknown		<b>Rating</b>
Burrows	<input checked="" type="checkbox"/> Observed max diameter <u>4</u> in max depth <u>?</u> ft <input type="checkbox"/> Trails		4
Locations*	<u>CREST - SMALL AREA</u>		—
<b>Vegetation</b>			<b>Rating</b>
Cover	<input checked="" type="checkbox"/> Low grass <input type="checkbox"/> high grass <input checked="" type="checkbox"/> brush <input checked="" type="checkbox"/> blackberries <input type="checkbox"/> small trees <input type="checkbox"/> large trees		4
Locations*	<u>VERY LITTLE BLACKBERRIES + BRUSH</u>		—
Impairs inspection	<input type="checkbox"/> toe seepage <input type="checkbox"/> conduit outlet <input type="checkbox"/> spillway <input type="checkbox"/> upstream face <input type="checkbox"/> downstream face		—
Detail:			

\*Locations – Upstream face, Crest, Downstream face, Left and Right abutments, Toe

Expedited Re-inspection Needed: ☐ Next Inspection Date: \_\_\_\_\_

Other Issues or Additional Detail Needed:

— EXPOSE OUTLET FOR THE DAM

— REPLACE CONDUITS OR PUT IN WEIRS